

Product datasheet for SC110587

MCG10 (PCBP4) (NM_033008) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCG10 (PCBP4) (NM_033008) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCG10
Synonyms:	CBP; LIP4; MCG10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110587 sequence for NM_033008 edited (data generated by NextGen Sequencing)

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ATGAGCGGCTCGGACGGGGGACTGGAGGAGGAGCCAGAGCTCAGCATCACCTCAGCCTG
CGGATGCTGATGCACGGGAAGGAAGTGGGCAGCATCATCGGGAAGAAGGGCGAGACTGTA
AAGCGAATCCGGGAGCAGAGCAGTGCCCGATCACCATCTCCGAGGGCTCCTGCCCTGAA
CGCATCACCACTCACCAGGCTACAGCAGCTGTCTCCATGCAGTCTCCATGATTGCT
TTCAAAGTGGATGAGGACCTTTGTGCTGCTCCTGCAAATGGTGGAAATGTCTCCAGGCCT
CCAGTGACCTGCGCCTTGTCATCCCTGCCAGTCAGTGTGGCTCGCTGATTGGGAAGGCT
GGCACCAAGATCAAGGAGATCCGAGAGACTACGGGTGCCAGGTACAGGTGGCAGGGGAC
CTGCTCCCAACTCCACAGAGCAGCTGTTACGGTATCTGGGGTGCCTGATGCCATCATC
CTGTGTGTGCGCCAGATCTGCGCTGTTATCCTGGAGTCCCACCCAAAGGAGCCACTATC
CCCTACCATCCGAGCCTCTCCCTAGGTAAGTGTCTCTCTGCCAACCCAGGGCTTCTCT
GTCAGGGTCAAGTATGGGGCTGTGACCCAGCTGAGGTACCAAGCTCCAGCAGCTCTCA
AGCCATGCGGTCCCCTTTGCCACACCCAGCGTGGTCCAGGACTGGATCCCAGCACACAG
ACCAGCTCACAGGAGTCTTGGTTCCCAACGATTTGATTGGCTGTGTGATCGGGGCCAG
GGCAGCAAGATCAGCGAGATCCGGCAGATGTGAGGGGCACATATCAAGATCGGGAACCA
GCAGAGGGCGCTGGGGAGCGGCATGTACCATCACTGGCTCTCCGGTCTCATTGCCCTG
GCCAGTACCTCATCACTGCCTGTCTAGAGACGGCCAAGTCTACCTCTGGGGGACGCC
AGCTCGGCCCCCGCAGACCTGCTGCCCCCTTCTCGCCACCCCTGACGGCCCTGCCACA
GCTCCCCCTGGCCTGCTGGGCACACCCTATGCCATCTCCCTCTCCAATTCATCGGCCTC
AAGCCCATGCCCTTCTTGGCTTTACCACCTGCTTCCCCAGGGCCGCCCGGGGCTTGGCG
GCCTACACTGCCAAGATGGCAGCAGCTAATGGGAGCAAGAAGGCTGAGCGGCAGAAATTC
TCCCCCTACTGA

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Clone variation with respect to NM_033008.2

345 a=>g;894 c=>t



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_033008 unedited</p> <pre> AGGATATTTGTATACGACTCACTATAGGGCGGCCGCGACATTCGCACGAGGGTCACTCGC AGTTGTGAGCGGCCGCCTCTCCCGGGACAATGTGGGACTGAGCGGCCAGCCGCGGTGC CGCCGCCGCCGCCCGCAGGACAGCCCCAGCGAGAGCCGGCCAGGTTGCAGCGCGGACA CACTCGCAGGTCGCTGTGGCCCCAGCCTCGCCTGACAGAATGAGCGGCTCGGACGGGGA GAGTGGGCAGCATCATCGGAAGAAGGGCGAGACTGTAAGCGAATCCGGGAGCAGAGC AGTGCCCGGATCACCATCTCCGAGGGCTCTGCCCTGAACGCATCACCACCATCACCGGG TCTACAGCAGCTGTCTTCCATGCAGTCTCCATGATTGCTTTCAAACCTGGATGAGGACCTT TGTGCTGCTCCTGCAAATGGTGGAAATGTCTCCAGGCCTCCAGTGACCCTGCGCCTTGTC ATCCCTGCCAGTCAGTGTGGCTCGCTGATTGGGAAGGCTGGCACCAAGATCAAGGAGATC CGAGAGACTACGGGTGCCAGGTACAGGTGGCAGGGGACCTGCTCCCAACTCCACAGAG CGAGCTGTACGGTATCTGGGTGCCTGATGCCATCATCTGTGTGCGCCAGATCTGC GCTGNTATCCTGGAGTCCCCACCAAGGAGCCACTATCCCTACCATCCGAGCCTTNC CTAAGTACTGGTCTTCTCTCTGCAACCCAGGGCTTCTCTGTCCAGGGTCAGTATGGGGCT GTGCCAGCTGAGGGCACCAGCTCCAGCAGCTCTCAGCCATGCGGTCCCTTTGCCACC CAGCGTGTGGCCAGACTGGATCCCGACCCAGACAGCTACAGGAGTCTTGGTCCC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_033008 unedited</p> <pre> NNCCCCCTAGCTCTGNACCGCGNCCCGCATNCTAGNGATCGNGNNTTTTTTTTTTTTTTTC TTTTTGGTCGGCTTAGAAATACTTTATTTNCAAAAACAGGGGATTGGAAAAAACTGTACA GAGTGTCTGCTGTGAGAACTGGGCCCCGCCCCATGCCACTCCCCAGCTACCTGGCAG TGCCCCCTCTTTGGGGTGCCCCCTGACAAGCCTAGCCAGTTCATTCCAGTCAAAAGGTA TCAGTGAAGCAGCAAGAAATCTGCAGGTGGTGGGGAGAGAAGCCTGGCCCCAGTACCC AACGGGCCCTCCTCCCTGACTCCCACAAGGATGCAGTAGGCCAGGAAGCCCTAAGGGATG GGGAGTGCGTGAGTGACACCCGCATGGTGGGGCACTAGGGAGTCTCCTGGCTGCTCCC TGTATCCAAGCACAGAGCTGAGGAGGTAGGGCCCCCTGCCTGGGGCTGCCGAGCTCAG ACCCCTGGGCCAGAACTGCCCCACTCTGAGAGAAAGAACTCCCATAGATGGAGGCAGG GTAGGGGGTGCATCCATGCGTCTGGGCGTTAGCGGCGTTTGGGACCCAGGGTGGAGTCT CCTTGGGCGGGTAGGGTGCAGAGGCAGCCCCCTGCTGGTGGTCTGCCTGCCCTGCCTG TACCTCAGCTGGCCTCAGTAGGGGGAGAATTTCTGCCGCTCAGCCTTCTTGTCTCCATTA GCTGCTGCCATCTTGGCAGTGTAAAGCCCGCAAGCCCGNCGCGGGCCCTGGGGAACAC GTGGTAAAGCCAGAAAGGCATGGCCTTGAGGCCACGAACCTTGAGAGGGAGATGCCATA GGGTGTGCCAACAGCCAGGGGGACCTGTGGCCAAGCCCCACGGGTGCCAGAAGGGGGC AGCCAGTCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_033008
Insert Size:	2000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_033008.1](#), [NP_127501.1](#)

RefSeq Size: 2033 bp

RefSeq ORF: 1212 bp

Locus ID: 57060

UniProt ID: [P57723](#)

Cytogenetics: 3p21.2

Domains: KH

Gene Summary: This gene encodes a member of the KH-domain protein subfamily. Proteins of this subfamily, also referred to as alpha-CPs, bind to RNA with a specificity for C-rich pyrimidine regions. Alpha-CPs play important roles in post-transcriptional activities and have different cellular distributions. This gene is induced by the p53 tumor suppressor, and the encoded protein can suppress cell proliferation by inducing apoptosis and cell cycle arrest in G(2)-M. This gene's protein is found in the cytoplasm, yet it lacks the nuclear localization signals found in other subfamily members. Multiple alternatively spliced transcript variants have been described, but the full-length nature for only some has been determined. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (3) differs in the 5' UTR, and includes an additional in-frame exon in the central coding region, compared to variant 1. The encoded isoform (c) is longer than isoform a. Variants 3, 4 and 5 encode the same isoform.